



2010 Breeding Bird Survey Results for Hopewell Cultural National Historical Site, Ohio

Surveys conducted by David L. Hess, Janalee T. Nelson, and Dafna Reiner

A Heartland Network Monitoring Report



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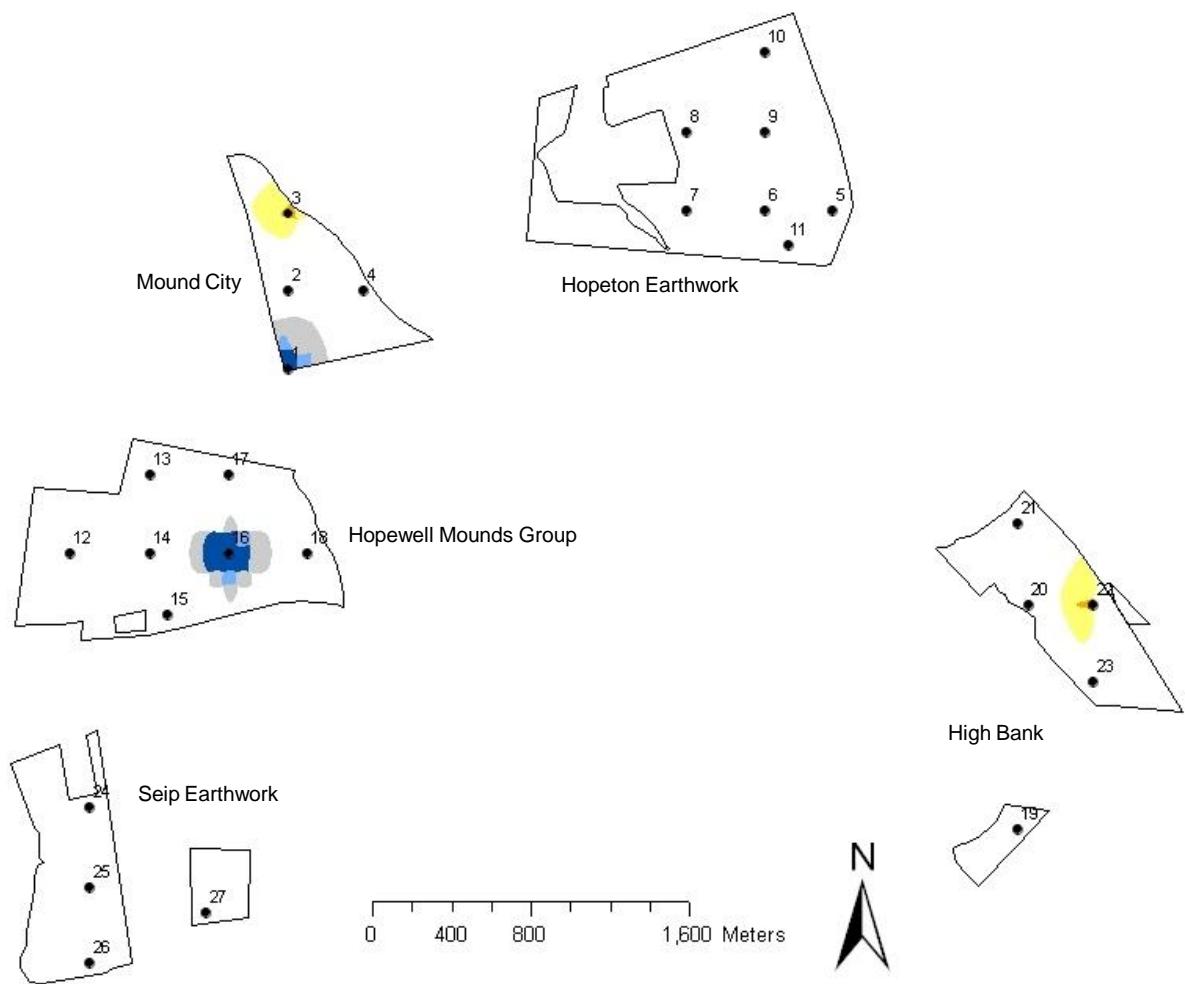


Figure 1. Areas of higher (red) and lower (blue) than expected breeding bird species richness for plots on Hopewell Culture National Historical Site, Ohio in 2010.

Table 1. Number of individuals encountered per plot visit, and proportion of plots out of 27 occupied by breeding bird species at Hopewell Cultural National Historical Site, Ohio during the 2010 bird surveys. Number of individuals per plot, and proportion of plots occupied includes all individuals recorded on plots during a 5-minute survey, including flyovers.

Common name	Species name	AOU code	Residency ¹	Individuals / plot visit	Proportion of plots occupied
Acadian Flycatcher	<i>Empidonax virescens</i>	ACFL	SR	0.04	0.04
American Coot	<i>Fulica americana</i>	AMCO	M	0.07	0.07
American Crow	<i>Corvus brachyrhynchos</i>	AMCR	R	0.07	0.07
American Goldfinch	<i>Carduelis tristis</i>	AMGO	R	0.93	0.48
American Redstart	<i>Setophaga ruticilla</i>	AMRE	SR	0.04	0.04
American Robin	<i>Turdus migratorius</i>	AMRO	SR	0.85	0.59
Bank Swallow	<i>Riparia riparia</i>	BANS	SR	0.48	0.15
Baltimore Oriole	<i>Icterus galbula</i>	BAOR	SR	0.30	0.30
Barn Swallow	<i>Hirundo rustica</i>	BARS	SR	0.26	0.22
Blackpoll Warbler	<i>Dendroica striata</i>	BLPW	M	--	--
Blue Jay	<i>Cyanocitta cristata</i>	BLJA	R	0.30	0.26
Blue-gray Gnatcatcher	<i>Polioptila caerulea</i>	BGGN	SR	0.15	0.11
Blue Grosbeak	<i>Passerina caerulea</i>	BLGR	SR	0.04	0.04
Brown-headed Cowbird	<i>Molothrus ater</i>	BHCO	R	0.19	0.15
Brown Thrasher	<i>Toxostoma rufum</i>	BRTH	SR	0.15	0.15
Canada Goose	<i>Branta canadensis</i>	CAGO	WR	--	--
Carolina Chickadee	<i>Poecile carolinensis</i>	CACH	R	0.07	0.07
Carolina Wren	<i>Thryothorus ludovicianus</i>	CARW	R	0.15	0.15
Cedar Waxwing	<i>Bombycilla cedrorum</i>	CEDW	R	0.33	0.15
Chipping Sparrow	<i>Spizella passerine</i>	CHSP	SR	0.04	0.04
Chimney Swift	<i>Chaetura pelasgus</i>	CHSW	SR	0.22	0.15
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>	CLSW	SR	0.04	0.04
Common Grackle	<i>Quiscalus quiscula</i>	COGR	R	1.74	0.78
Common Yellowthroat	<i>Geothlypis trichas</i>	COYE	SR	0.59	0.56
Dickcissel	<i>Spiza americana</i>	DICK	SR	0.07	0.07
Downy Woodpecker	<i>Picoides pubescens</i>	DOWO	R	0.15	0.15
Eastern Kingbird	<i>Tyrannus tyrannus</i>	EAKI	SR	0.11	0.07
Eastern Meadowlark	<i>Sturnella magna</i>	EAME	R	1.37	0.56
Eastern Phoebe	<i>Sayornis phoebe</i>	EAPH	SR	0.04	0.04
Eastern Towhee	<i>Pipilo erythrrophthalmus</i>	EATO	R	0.30	0.30
Eastern Wood-peewee	<i>Contopus virens</i>	EAWP	SR	0.11	0.11
(Eastern) Tufted Titmouse	<i>Baeolophus bicolor</i>	ETTI	R	0.19	0.19
European Starling	<i>Sturnus vulgaris</i>	EUST	R	1.30	0.44
Field Sparrow	<i>Spizella pusilla</i>	FISP	R	0.48	0.37
Great Blue Heron	<i>Ardea herodias</i>	GBHE	SR	0.11	0.11
Great Crested Flycatcher*	<i>Myiarchus crinitus</i>	GCFL	SR	--	--
Grasshopper Sparrow	<i>Ammodramus savannarum</i>	GRSP	SR	0.33	0.30
Gray Catbird	<i>Dumetella carolinensis</i>	GRCA	SR	0.26	0.22
Henslow's Sparrow	<i>Ammodramus henslowii</i>	HESP	SR	0.33	0.19
House Finch	<i>Carpodacus mexicanus</i>	HOFI	R	0.11	0.04
Horned Lark*	<i>Eremophila alpestris</i>	HOLA	R	--	--
House Wren	<i>Troglodytes aedon</i>	HOWR	SR	0.37	0.30
Indigo Bunting	<i>Passerina cyanea</i>	INBU	SR	0.59	0.48
Killdeer	<i>Charadrius vociferous</i>	KILL	R	0.04	0.04
Mourning Dove	<i>Zenaida macroura</i>	MODO	R	0.56	0.30
(Myrtle) Yellow-rumped Warbler	<i>Dendroica coronata</i>	MYWA	M	--	--
Northern Cardinal	<i>Cardinalis cardinalis</i>	NOCA	R	0.52	0.41

Table 1. Number of individuals encountered per plot visit, and proportion of plots out of 27 occupied by breeding bird species at Hopewell Cultural National Historical Site, Ohio during the 2010 bird surveys. Number of individuals per plot, and proportion of plots occupied includes all individuals recorded on plots during a 5-minute survey, including flyovers. (continued).

Common name	Species name	AOU code	Residency ¹	Individuals / plot visit	Proportion of plots occupied
Northern Mockingbird	<i>Mimus polyglottos</i>	NOMO	R	0.04	0.04
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>	NRWS	SR	0.26	0.15
Orchard Oriole	<i>Icterus spurius</i>	OROR	SR	0.26	0.15
Prairie Warbler	<i>Dendroica discolor</i>	PRAW	M	--	--
Purple Martin	<i>Progne subis</i>	PUMA	SR	0.04	0.04
Red-bellied Woodpecker	<i>Melanerpes carolinus</i>	RBWO	R	0.19	0.19
Red-eyed Vireo	<i>Vireo olivaceus</i>	REVI	SR	0.15	0.15
Rock Dove	<i>Columba livia</i>	RODO	R	0.22	0.04
Ring-necked Pheasant	<i>Phasianus colchicus</i>	RPHE	R	0.04	0.04
Red-tailed Hawk	<i>Buteo jamaicensis</i>	RTHA	R	0.15	0.11
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	RWBL	R	2.33	0.78
Ruby-throated Hummingbird	<i>Archilochus colubris</i>	RTHU	SR	0.04	0.04
Song Sparrow	<i>Melospiza melodia</i>	SOSP	R	0.85	0.63
Tennessee Warbler	<i>Vermivora peregrina</i>	TEWA	M	--	--
Tree Swallow	<i>Tachycineta bicolor</i>	TRES	SR	0.26	0.19
Warbling Vireo	<i>Vireo gilvus</i>	WAVI	SR	0.15	0.15
White-breasted Nuthatch	<i>Sitta carolinensis</i>	WBNU	R	0.07	0.04
White-eyed Vireo	<i>Vireo griseus</i>	WEVI	SR	0.07	0.07
Willow Flycatcher	<i>Empidonax traillii</i>	WIFL	SR	0.22	0.22
Wood Thrush	<i>Hylocichla mustelina</i>	WOTH	SR	0.15	0.15
Yellow-breasted Chat	<i>Icteria virens</i>	YBCH	SR	0.26	0.22
Northern (Yellow-shafted) Flicker	<i>Colaptes auratus</i>	YSFL	R	0.11	0.11
Yellow-throated Vireo	<i>Vireo flavifrons</i>	YTVI	SR	0.04	0.04
Yellow-throated Warbler	<i>Dendroica dominica</i>	YTWA	SR	0.04	0.04
Yellow Warbler	<i>Dendroica petechia</i>	YWAR	SR	0.22	0.22

¹ Residency status: SR = summer resident; R = year around resident; WR = winter resident; M = late season migrant (Stokes, D.W. and L.Q. Stokes. 1996. Stokes Field Guide to Birds: Eastern Region. Little, Brown and Company, New York, New York. 471 pp). Permanent and summer resident birds are referred to as breeding species for analysis in this document.

* Breeding species recorded outside of 5-minute survey periods.

Species names are valid and verified names obtained from ITIS. (Integrated Taxonomic Information System. Accessed in 2010, <http://www.itis.gov/>).

Bolded species names are those species considered of continental importance (Rich, T.D., C.J. Beardmore, H. Berlanga, P.J. Blancher, M.S.W. Bradstreet, G.S. Butcher, D.W. Demarest, E.H. Dunn, W.C. Hunter, E.E. Inigo-Elias, J.A. Kennedy, A.M. Martell, A.O. Panjabi, D.N. Pashley, K.V. Rosenberg, C.M. Rustay, J.S. Wendt, T.C. Will. 2004. Partners in Flight North American Landbird Conservation Plan. Cornell Lab of Ornithology, Ithaca, New York. 84pp).

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